

Amendments to the Specification:

On page 1, prior to the first paragraph which begins on line 5, please insert the following:

FIELD OF THE INVENTION

Please replace the paragraph which begins on page 1, line 5 and ends on line 15, with the following rewritten paragraphs:

The invention relates to a method for manufacturing a measuring device for determining and/or monitoring a process variable of a medium in a container. Additionally, the invention relates to an apparatus for manufacturing such a measuring device, and the invention relates to a measuring device itself. The process variable can be, for example, fill level, density or viscosity of the medium in the container. The mechanically oscillatable unit can be, for example, an oscillatory fork, or a single-rod.

BACKGROUND OF THE INVENTION

The measuring device includes: A mechanically oscillatable unit, which can be secured via a securement to a sensor housing and/or to the container; and a driver/receiver unit, which excites the mechanically oscillatable unit to oscillate, or receives oscillations of the mechanically oscillatable unit, as the case may be. ~~Additionally, the invention relates to an apparatus for manufacturing such a measuring device, and the invention relates to a measuring device itself. The process variable can be, for example, fill level, density or viscosity of the medium in the container. The mechanically oscillatable unit can be, for example, an oscillatory fork, or a single-rod.~~

Please replace the paragraph which begins on page 1, line 16 and ends on page 2, line 2, with the following rewritten paragraph:

The assignee Endress + Hauser manufactures and sells fill level measuring devices under the mark LIQUIPHANT. These measuring devices include, as the mechanically

oscillatable unit, an oscillatory fork of two tines, which are excited to mechanical oscillations via a membrane, or diaphragm, by a piezoelectric element as driver/receiver unit. In such case, the two tines of the fork oscillate with opposite phase relative to one another. If the medium, whose fill level is to be monitored, comes in contact with the oscillatable unit, then this leads to a change in the frequency and/or amplitude of the oscillations. In this way, the reaching of a fill level can be detected. Correspondingly, it is also possible to detect the subceeding, or falling beneath, of a fill level, i.e. when the oscillating fork is initially covered by medium and then the level sinks. The membrane, on which the oscillatable unit is attached and via which it is excited to oscillate, or via which the oscillations are received, as the case may be, is connected with a housing of the device, or with a container wall, via a securement. Additionally usually provided in the measuring device is an amplifying unit, which amplifies and feeds-back the received signals.

Please replace the paragraph which begins on page 2, line 25 and ends on page 3, line 2, with the following rewritten paragraph:

A method in the ~~state of the art~~ state-of-the-art for measuring symmetry of an oscillatory fork involves determining the oscillation frequency of each tine separately. If there are differences present, greater than a predetermined tolerance range, then e.g. the weight or the stiffness of the tines is adjusted, e.g. reduced. This measuring of the frequencies is very complicated. It occurs in the context of manufacture of the field devices. In the field, it is, above all, scarcely possible to determine the oscillation frequencies of the individual tines.

On page 3, prior to the paragraph which begins on line 4, please insert the following:

SUMMARY OF THE INVENTION

On page 7, prior to the paragraph which begins on line 20, please insert the following:

BRIEF DESCRIPTION OF THE DRAWINGS

On page 8, prior to the paragraph which begins on line 5, please insert the following:

DESCRIPTION OF THE PREFERRED EMBODIMENTS

Please delete page 11 in its entirety.